

Question	Marking Guidance	Mark	Comments
02.1	(a monomer is a smaller / repeating) unit / molecule from which larger molecules / polymers are made;	1	Reject atoms / elements / 'building blocks' for units / molecules Ignore examples
02.2	<p>Similarity</p> <p>1. Both contain galactose / a glycosidic bond;</p> <p>Difference</p> <p>2. Lactulose contains fructose, whereas lactose contains glucose;</p>	2	<p>1. Ignore references to hydrolysis and / or condensation</p> <p>2. Ignore alpha / beta prefix for glucose</p> <p>2. Difference must be stated, not implied</p>
02.3	<p>1. (Lactulose) lowers the water potential of faeces / intestine / contents of the intestine;</p> <p>2. Water retained / enters (due to osmosis) and softens the faeces;</p>	2	<p>1. Accept Ψ for water potential</p> <p>2. Accept descriptions of soft faeces, eg faeces is less dry / less hard</p>
02.4	(-) 84.1(%);;	2	<p>Accept (-) 84.15(%)</p> <p>Allow 1 mark for 84</p> <p>OR</p> $\frac{2.82 \times 10^{-7} - 4.47 \times 10^{-8}}{2.82 \times 10^{-7}}$ <p>OR</p> $\frac{2.37 \times 10^{-7}}{2.82 \times 10^{-7}}$